

Gene name	Alternative name	Known function	AbID	Species	Application
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Histone modifications

H2AK119ub	-	-	ab193203	Hu, Ms, Rt	ICC/IF, WB, PepArr
H3K4me	-	-	ab176877	Hu, Ms, Rt	ChIP, ICC/IF, IHC-P, WB, PepArr
H3K4me2	-	-	ab32356	Hu, Ms, Rt, Chicken, Cow	ChIP-seq, ChIP, Flow Cyt, IHC-P, ICC/IF, IP, WB
H3K4me3	-	-	ab213224	Hu, Ms, Rt	ChIP-seq, ChIP, Flow Cyt, ICC/IF, IP, WB, Dot blot, PepArr
H3K27me3	-	-	ab192985	Hu, Ms, Rt	ChIP-seq, ChIP, IHC-P, ICC/IF, ELISA, WB, PepArr
H3K36me3	-	-	-	-	-

PcG Complex Components

Core PRC1 Complex

RING1	RING1A	H2AK119 ubiquitylation	ab180170	Hu	ICC/IF, IHC-P, WB, IP
RNF2	RING1B		ab181140	Hu, Ms, Rt	Flow Cyt, ICC/IF, IHC-P, WB
PCGF1	-	H2AK119 ubiquitylation, oligomerization	ab259943	Hu, Ms, Rt	Flow Cyt, IP, WB
PCGF2	MEL18		-	-	-
PCGF3	-		-	-	-
PCGF4	BMI1		ab126783	Hu, Rt	ICC/IF, IHC-P, IP, WB
PCGF5	-		ab201511	Hu, Ms, Rt	WB
PCGF6	-		ab200038	Ms, Rt	ICC/IF, IP, WB

Canonical PRC1

CBX2	-	H3K27me3 binding	-	-	-
CBX4	-		ab242149	Hu, Ms, Rt	ChIP, Flow Cyt, IHC-P, IP, WB
CBX6	-		ab259848	Hu, Ms, Rt	WB, IHC-P
CBX7	-		ab178411	Hu	Flow Cyt, WB
CBX8	-		ab259849	Hu, Ms, Rt	WB
PHC1	EDR1	oligomerization/protein-protein interaction	-	-	-
PHC2	-		-	-	-
PHC3	-		ab180577	Hu, Ms, Rt	WB
SCMH1	-		-	-	-

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Non-canonical PRC1					
RYBP	YAF2	DNA binding	ab185971	Hu, Ms, Rt	ChIP, Flow Cyt, ICC/IF, IHC-P, IP, WB
KDM2B	-	H3K36 demethylase, DNA binding	-	-	-
DCAF7	WDR68	scaffold factors	ab138490	Hu, Ms, Rt	Flow Cyt, IHC-P, WB
WDR5	-		ab178410	Hu, Ms, Rt	Flow Cyt, IHC-P, WB
Core PRC2 Complex					
EZH1	-	H3K27 methyltransferase, histone binding	-	-	-
EZH2	-		ab191080	Hu, Ms, Rt	Flow Cyt, IHC-P, ICC/IF, WB
SUZ12	-	RNA/DNA binding	ab175187	Hu, Ms, Rt	ChIP, Flow Cyt, ICC/IF, IP, WB
EED	-	H3K27me binding	ab240650	Hu, Ms	ChIP, IP, WB
RBBP4	-	H3K36me3 binding	ab79416	Hu, Ms, Rt	Flow Cyt, IHC-P, ICC/IF, WB, IP
RBBP7	-		ab259957	Hu, Ms, Rt	Flow Cyt, ICC, IHC-P, IP, WB
PRC2 Accessory Proteins					
PHF1	PCL1	H3K36me3 binding	ab184951	Hu, Ms, Rt	Flow Cyt, IHC-P, ICC/IF, WB
MTF2	PCL2		ab254336	Hu, Ms, Rt	ChIP, IP, WB
PHF19	PCL3		ab259947	Hu	Flow Cyt, ICC, IP, WB
JARID2	-	H2Aub binding, RNA binding	ab192252	Hu	ChIP, ICC/IF, WB
AEBP2	-	H2Aub binding, DNA binding	-	-	-
EPOP	C17orf96	modulating enzymatic activity	-	-	-
EZH1P	CXORF67	-	-	-	-
LCOR	C10orf12	-	ab171086	Hu, Ms, Rt	Flow Cyt, WB
Core PR-DUB					
BAP1	-	ubiquitin C-terminal hydrolase	ab255611	Hu	Flow Cyt, WB
ASXL1/2	-	chromatin binding	-	-	-
PR-DUB Accessory Proteins					
FOXK1/2	-	DNA binding	-	-	-
OGT	-	O-Glc-N-acetylation	ab177941	Hu, Ms, Rt	Flow Cyt, ICC/IF, IHC-P, WB
KDM1B	LSD2	histone demethylation	ab193080	Hu, Ms, Rt	Flow Cyt, ICC/IF, IP, WB
MBD5/6	-	DNA binding	-	-	-

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TrxG Complex Components					
Core COMPASS Components common to all COMPASS (-like) Complexes					
WDR5	-	histone binding	ab178410	Hu, Ms, Rt	Flow Cyt, IHC-P, WB
ASH2L	-	DNA binding	ab176334	Hu, Ms, Rt	Flow Cyt, ICC/IF, IHC-P, WB
RBBP5	-	histone binding	-	-	-
DPY30	-	-	-	-	-
SET1/COMPASS					
SETD1A	SET1	H3K4 methyltransferase	ab243639	Hu	Flow Cyt, WB
SETD1B	-	-	-	-	-
TrxG Complex Components					
WDR82	SWD2	histone binding	-	-	-
CXXC1	CGBP	DNA binding	-	-	-
MLL1/2 COMPASS-like					
KMT2A	MLL1	H3K4 methyltransferase	ab234435	Hu	WB
KMT2D	MLL2	-	ab213721	Hu	WB
HCFC1	HCF1	-	-	-	-
MEN1	MENIN	-	ab92443	Hu	ICC/IF, IHC-P, IP, WB
MLL3/4 COMPASS-like					
KMT2C	MLL3	H3K4 methyltransferase	-	-	-
KMT2B	MLL4	-	-	-	-
NCOA6	-	-	-	-	-
PAGR1	PA1	-	-	-	-
KDM6A	UTX	H3K27 demethylase	ab253183	Hu, Ms	Flow Cyt, WB
PAXIP1	PTIP	-	-	-	-
ASH1					
ASH1L	-	H3K36 methyltransferase	-	-	-
CBP	CREBBP	H3K27 acetyltransferase	-	-	-

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SWI/SNF (BAF and PBAF) Complex					
SMARCA2	BRM	ATPase-dependent chromatin remodeling	ab240648	Hu, Ms, Rt	Flow Cyt, ICC/IF, IHC-P, WB
SMARCA4	BRG1	-	ab110641	Hu, Ms, Rt	Flow Cyt, ICC/IF, IHC-P, IP, WB
ARID1A	BAF250A/B	-	ab182560	Hu, Ms, Rt	Flow Cyt, ICC/IF, IHC-P, WB
SMARCC1	BAF155	-	ab172638	Hu, Rt	ChIP, Flow Cyt, ICC/IF, IP, WB
SMARCC2	BAF170	-	ab243634	Hu, Ms, Rt	Flow Cyt, ICC/IF, IHC-P, IP, WB
SMARCB1	BAF47	-	ab192864	Hu	Flow Cyt, ICC/IF, IHC-P, IP, WB
PHF10	BAF45A	-	-	-	-
DPF1	BAF45B	-	-	-	-
DPF3	BAF45C	-	-	-	-
DPF2	BAF45D	-	ab134942	Hu, Ms, Rt	ICC/IF, IHC-P, IP, WB
ACTL6A	BAF53A	-	ab131272	Hu, Ms, Rt	IHC-P, WB
ACTL6B	BAF53B	-	ab140642	Hu, Ms, Rt	ICC/IF, WB
PBRM1	BAF180/BAF200	histone binding	ab196022	Hu, Ms, Rt	Flow Cyt, ICC/IF, IHC-P, WB
SMARCD1	BAF60A	-	ab245222	Hu, Ms	Flow Cyt, ICC/IF, IP, WB
SMARCD2	BAF60B	-	ab220164	Hu, Ms, Rt	Flow Cyt, IHC-P, IP, WB
SMARCD3	BAF60C	-	ab171075	Hu, Ms, Rt	IHC-P, IP, WB
SMARCE1	BAF57	possible DNA binding	ab131328	Hu, Ms, Rt	ChIP, ICC/IF, IHC-P, WB
BCL7A	-	-	-	-	-
BCL7B	-	-	-	-	-
BCL7C	-	-	-	-	-
BRD7	-	-	ab252810	Hu, Ms, Rt	IHC-P, WB
BRD9	-	-	-	-	-